

Parking Lot Lighting

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Description

- Title 24 to include parking lot LPD limits.
- Maximums may vary according to four zones.
- LPD may be based on ETAL procedure.
- May include lighting controls during day, curfew.



Benefit

- Save electric energy and demand.



Enforcement Mechanism

- Implemented as part of Title 24.
- May include mandatory shielding requirements.
- May include lighting controls (day, pre-curfew, curfew) for environmental zones.



Regulatory Approaches

Lighting PowerDensity

- Watts per square foot of lighted uncovered parking lots

Lighting Controls

- Turn lighting off during the day, and possibly during curfew hours.



Regulatory Approaches (cont.)

Equipment Specifications

- May require shielded luminaires for certain areas.

Illuminance Levels

- Maximum illuminance levels may be considered.



Performance Verification

- Verify luminaire shielding requirements.
- Controls require calibration so lighting equipment is energized only from dusk to curfew or dawn.
- Ensure security lighting is only energized during designated hours.



Cost Effectiveness

- Models may develop maximum LPD demonstrated for each environmental zone using IESNA or ETAL procedures.
- Limits on disability and discomfort glare may be assumed for each model.

